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InfoSphere MDM Architecture V11  
Information

**Length:** 24.0 Hours  
**Ref:** ZZ820G □  
**Delivery method:** Classroom  
**Price:** EUR

Overview

This course is designed for anyone who wants to get an understanding of the InfoSphere MDM Architecture (including the Virtual and Physical Hubs). This course walks you through the major components of the InfoSphere MDM and how each component interacts. You will learn how InfoSphere MDM responds once a service is invoked and the various configuration and extension points of a service. The course is used as an introduction to various components that make up the MDM Architecture and prepares you to identify how MDM will fit into their organization and what pieces may be customized to fit their business requirements.

The next courses that may be of interest to you include:

- *Data Model and Service Mapping for the InfoSphere MDM Advanced Edition V10 (ZZ610)*
- *Customizing the InfoSphere MDM Advanced Edition V10 (ZZ640)*
- *IBM InfoSphere MDM Server Service Customization for MDM Server 9 (ZZ340)*
- *InfoSphere MDM Server User Interface Generator (DC560)*

Public

This intermediate course is designed for the following participants who want to get an understanding of the InfoSphere MDM Architecture (including the Virtual and Physical Hubs):

- Infrastructure Specialist
- Senior Technical Specialist
- Technical Specialist
- Support Engineers
- System Architects

Prerequisites

It is recommended you have:

- Working knowledge Java EE architecture

## Objective

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process:

<http://w3.ibm.com/services/gbs/evita/BCSVTEnrl.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show:

- The current GTP list price
- The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

## Topics

### Unit 1: MDM and the Enterprise

- Physical, Virtual and Hybrid Hubs
- Working with Physical Hub
- Working with Virtual Hub
- Working with Hybrid Hub

### Unit 2: Architecture

- Big Picture
- How InfoSphere MDM Works
- Architecture Overview

### Unit 3: MDM Physical Model

- Party Domain
- Account Domain
- Product Domain
- Metadata
- Common Domain

### Unit 4: MDM Virtual Model

- Member Tables
- Dictionary Tables
- Entity and Relationship Tables
- Audit Tables

## **Unit 5: How InfoSphere MDM services are Invoked**

- InfoSphere MDM Consumers
- How Services are invoked
- How Services are Handled

## **Unit 6: How Services are implemented**

- Handling Physical Hub Services
- Handling Virtual Hub Services

## **Unit 7: Linking and Duplicates**

- Probabalistic Matching Engine
- Algorithms
- Bucketing
- Standardization
- Comparison Functions
- Weights
- Physical Hub Suspect Processing
- Virtual Hub Linking

## **Unit 8: How Services are Extended (Physical Hub)**

- Types of Extensions
- Data Extension
- Data Additions
- Specs
- Behavior Extensions
- Composite Services

## **Unit 9: How Services are Configured (Virtual)**

- Data Model Customizations
- Algorithms
- Handlers
- Events
- Composite Views

## **Unit 10: Common Services**

- External Rules
- Validation

- Rules of Visibility
- Configuration
- Standardization
- Logging and Servicibility
- Multi-Timezone
- Search Framework

## **Unit 11: Integration**

- Information Server
- BPM
- Identity Insight

## **Agenda :**

### **Day 1**

- Unit 1: MDM and the Enterprise
- Unit 2: Architecture
- Unit 3: MDM Physical Model
- Unit 4: MDM Virtual Model

### **Day 2**

- Unit 5: How InfoSphere MDM services are Invoked
- Unit 6: How Services are implemented
- Unit 7: Linking and Duplicates
- Unit 8: How Services are Extended (Physical Hub)

### **Day 3**

- Unit 9: How Services are Configured (Virtual)
- Unit 10: Common Services
- Unit 11: Integration